

ABSTRACT OF THE DISCLOSURE

Lightwaves (1), which carry data signals and beacon light, are used for establishing a connection between a receiver and a transmitter located remote from the former. An acquisition sensor (171) is provided for acquiring the lightwaves (1) in the receiver, which generates acquisition sensor signals (Sc) from the received lightwaves. The lightwaves (1), which are conducted over a telescope (2) and a beam splitter (R4), are fed to the acquisition sensor (171) as well as to a scanning device (5). Besides useful signals (Sa, Sb), an additional signal (Sw, Sm', Sm) is obtained with the aid of the scanning device (5), which is used for making the acquisition easier.

(Fig. 1)